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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bailey, Todd C.

App. No.: 10/781,278 GPAU: 1756

Filing Date: 02/18/2004 Examiner: Christopher G. Young

Dkt. No.: PA95-37D13 Conf. No.: 2060

For: Imprint Lithography Template Having a Mold to Compensate

for Material Changes of an Underlying Liquid

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449

Other:

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the

Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

CERTIFICATE OF TRANSMISSION
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed:_

Typed Name: Katrina Prati

9-16-05

Respectfully Submitted,

Kenneth C. Brooks,

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IP Counsel

Legal Department

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PTO/SB/08A (08-03)

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Substitute	for form 1449 <i>l</i>	VPTO	_	Complete if Known		
	NFORMATIO			APPLICATION NUMBER	10/781,278	
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(L	ise as many shee	ets as necessa	ny)	FIRST NAMED INVENTOR	Sreenivasan et al.	
Chaot	1 1	-6	6	Group Art Unit	1756	
Sheet		of		Examiner Name	Young, Christopher	
				Attorney Docket Number	PA95-37D13	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1	U.S. Patent Do	cument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	E1	4,959,252		Bonnebat et al.	9/25/1990	· · · · · · · · · · · · · · · · · · ·
	E2	5,259,926		Kuwabara et al.	9/9/1993	
	E3	5,348,616		Hartman et al.	9/20/1994	
·	E4	5,512,131		Kumar et al.	4/30/1996	
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	E17	5,820,769		Chou	10/13/1998	

Examiner	Date	
Signature	Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Young, Christopher

PA95-37D13

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Substitute for form 1449A/PTO Complete if Known APPLICATION 10/781,278 INFORMATION DISCLOSURE NUMBER STATEMENT BY APPLICANT FILING DATE 02/18/2004 FIRST NAMED Sreenivasan et al. (use as many sheets as necessary) INVENTOR **Group Art Unit** 1756

Examiner Name

Attorney Docket Number

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U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	No.1 U.S. Patent Document Kind Coo Number (if known		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	E18	2005/0100830	A1	Xu et al.	5/12/2005			
	E19	5,853,446		Carre et al.	12/29/1998	,		
	E20	6,251,207	B1	Schultz et al.	6/26/2001			
	E21	6,849,558	B2	Schaper	2/1/2005			
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S	STATEMENT	BY APPLIC	CANT	FILING DATE	02/18/2004
			\	FIRST NAMED INVENTOR	Sreenivasan et al.
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Sheet	3	of	6	Examiner Name	Young, Christopher
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Examiner Initials*	Cite No.1	Office 3	Foreign Patent Docum	Kind Code ⁵ (if knBown)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т ⁶
···	E22	wo	87/02935		Long et al.	5/21/1987		
	E23	JP	1-196749		Matsumoto et al.	8/8/1989	·, .,.	
	E24	JP	02192045		Mineo et al.	7/27/1990		
	E25	wo	01/90816		Heidari	11/29/2001		
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	E30	JP	3-90345		Nobuyoshi et al.	4/16/1991		
	E31	JP	9-278490		Toru et al.	10/28/1997		
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Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NUMBER	10/781,278	
017	11 EIII EII	ALLEO.	AII I	FILING DATE	02/18/2004	
(use	as many sheets	s as necessary	<i>(</i>)	FIRST NAMED INVENTOR	Sreenivasan et al	
				Group Art Unit	1756	
Sheet	Sheet 4 of 6			Examiner Name	Young, Christophe	
				Attorney Docket Number	PA95-37D13	

Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the								
Examiner Initials*	No.	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T					
	E32	FEYNMAN, There's Plenty of Room at the Bottom, 12/1/1959						
	E33	XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., pp. 550 - 575 1/1/1998						
	E34	KRUG ET AL., Fine Patterning of Thin Sol-gel Films, Journal of Non-Crystalline Solids 147 & 148, pp. 447 - 450 1/1/1992						
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· · · · · · · · · · · · · · · · · · ·	E36	Abstract of Japanese Patent 02-92603, 8/12/2004						
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	E38	SOWAH, Diamond used to Break the Mould, Retrieved 9/2/2003 from URL: http://www.electronictimes.com/story/OEG20020918S0003 9/18/2002						
	E39	APPLICATION NO. 10/827,118, naming Inventors Watts et al., entitled A Method of Forming a Deep-Featured Template Employed in Imprint Lithography, filed 4/19/2004						
 	E40	Abstract of Japanese Patent 61-040845, 2/27/1986						

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OTHER PRI	OR ART	- NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	E41	Abstract of Japanese Patent 02-248480, 10/4/1990	
	E42	Abstract of Japanese Patent 3-090345, 4/16/1991	
	E43	Abstract of Japanese Patent 09-278490, 10/28/1997	
	E44	Abstract of Japanese Patent 61-040845, 2/27/1986	
	E45	Abstract of Japanese Patent 02-248480, 10/4/1990	
	E46	GEHOSKI ET AL., Indium Tin Oxide Template Development for Step and Flash Imprint Lithgraphy, SPIE Microlithography Conference 2/1/2005	
	E47	DAUKSHER ET AL., Repair of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 22(6), pp. 3306-3311 11/1/2004	
- .	E48	NORDQUIST ET AL., Image Placement Issues for ITO-based Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B, pp. 695-701 3/1/2004	
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Examiner Signature	Date Considered	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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	E50	RESNICK ET AL., Imprint Lithography: Lab Curiosity or the Real NGL?, SPIE Microlithography Conference 2/1/2003			
- 11	E51	MANCINI ET AL., Analysis of Critical Dimension Uniformity for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2003			
- 500.0	E52	MANCINI ET AL., Hydrogen Silsesquioxane for Direct Electron-Beam Patterning of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2896-2901 11/1/2002			
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31	E57	RESNICK ET AL., New Methods for Fabricating Step and Flash Imprint Lithography Templates, NIST-SPIE Conference on Nanotechnology 9/1/2001			

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